L22DC

Proponente:
INFRASTRUCTURE
ITALIA LAND 2 S.r.l.
Via del Bosco Rinnovato, 6
20057 – Assago (MI), Italia

Progetto Nuovo Data Center Campus Siziano

VALUTAZIONE IMPATTO AMBIENTALE
ai sensi del Titolo III del d.lgs. 152/2006

Sistema Leak Detection MIL08B

Documento
4553-L22-ZZ-ZZZ-TRP-ME-0056

Data
30 giugno 2026

Revisione
V.00

L22

STACK INFRASTRUCTURE

Job	**A.6101.250002**
Project	**DATA CENTER - MIL08B - Via Marche 8 - Siziano (PV)**
Client	**STACK EMEA - ITALY Spa**
General Contractor	**Bouygues E&S Italia S.p.a**

MECHANICAL - SMM 18

Revision	0		
Date	16/01/2026		
Code	**18**		
Description	**LEAK DETECTION**		
Supplier	**TEMAR**		
Manufacturer	**TTK**		
Model	**- FG-EC, Digital Water and Base Sense Cable** **- FG-NET F, Digital control panel with touch screen, TCP-IP and Modbus wall mounted** **- FG-DTC, T diversion BOX** **- FG-CLC, Leader cable TTK BUS 8723 in 3.5m to connect alarm unit & first sense cable.** **- FG-NC Kit, Set of parts for connecting jumper cable. It includes male, female connectors + contacts + adhesive + heat shrinkable sleeve.** **- FG-TMC, Termination plug.** **- ES-EC Tag labels.** **- TTK BUS 8723, neutral cable**	Quantity	**AS PER DRAWING**
Location	**HVAC Hydronic pipes Area 2**		

Reserved to Work Supervision

Not Approved	☐		
Approved	☐		
Approved with Notes	☐	Resubmit	☐

The approvation does not raise the Contractor from legal and contract responsibilities

Notes

Date

Sign and stamp

Attachment:

Sample	☐
Catalogue	X
Technical spec	X
Drawing	☐
Drawing package	☐
Certification	☐
List	☐
Other	☐

LIQUID LEAK DETECTION SYSTEMS
CONSTRUCTION DIVISION

FG-EC

Digital Water and Base Sense Cable

Product Datasheet

- Digital Pin-Point Leak Location
- Embedded Microprocessor
- LED Status Indicator
- Detects Water and Base Liquids
- Made in Low Smoke Zero Halogen Material
- Pre-connected in Standard Lengths

Description

The TTK digital sense cable FG-EC detects and pin-points the location of water and base liquids leaks at any point along its length.

The FG-EC sense cable is designed for FG-SYS, FG-NET or FG-BBOX digital units to respond intelligently in the event of any leaks of liquids.

Each FG-EC sense cable is made with special **Low Smoke Zero Halogen materials**, it emits limited smoke and no halogen when exposed to high sources of heat.

Features & Benefits

FEATURES

- Available in standard and pre-connected lengths of 3, 7 and 15 metres. They can be interconnected to provide an expandble network of leak detection.
- The cable contains an embedded microprocessor, it intelligently monitors the cable status, it provides continuous real-time communication to the TTK digital units.
- Each cable has a high visibility LED to provide quick green/red identification of the cable status:
  - Green LED: normal status, no alarm raised;
  - Red LED: leak detection on the cable;
  - LED off: cablebreak on this or any upstream cable.
- Small diameter, light, flexible and in an easily identifiable light blue colour.
- Ingenious design: four conducted wires of helical construction, compressed and connected on an extruded central core, insensitive to dust and metal particles contamination, preventing false alarms.
- Fixing clips available to fasten the sense cables.
- A set of TTK BUS 8723 jumper cables and connection accessories gives continuity to each circuit.

BENEFITS

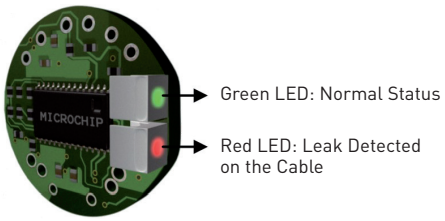
- Detects and pin-points the location of a water/base leak to the nearest metre along the length of the cable.
- Detects and localizes cablebreak on the cable.
- Manufactured with the low smoke zero halogen (LSZH or LSOH) materials, FG-EC cable emits, when burned, a less optically dense smoke that releases at a lower rate than a non-LSZH cable.
- Short drying time.
- The FG-EC sense cable is a non-absorbent design that can be reused after leaks, reducing the maintenance costs.
- Easy installation with pre-finished male and female connectors.
- Flexible design: in both liner and sector mode (via FG-DTC box).
- The typical applications are data centres, trading floors, high value and mission critical infrastructure.

Technical Data

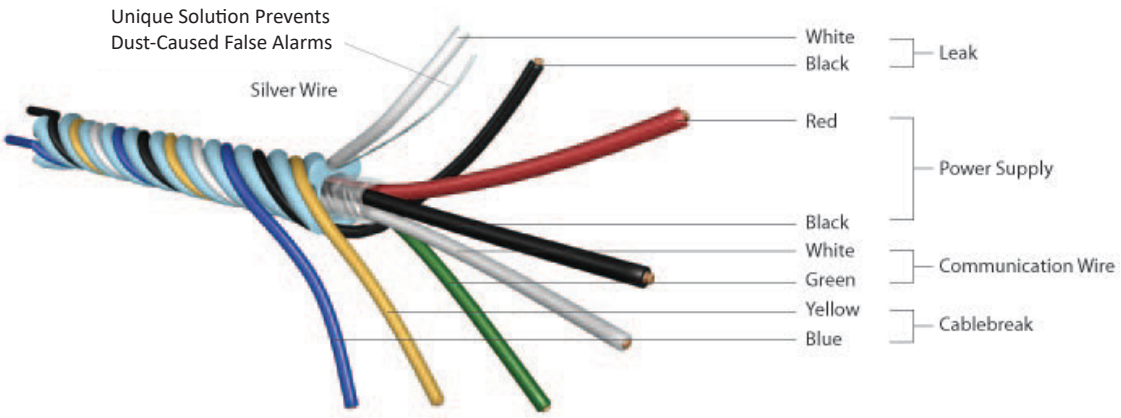
Compatibility	Digital units: FG-SYS; FG-NET; FG-BBOX Diversion box: FG-DTC
Maximum Operating Temperature	65°C
Maximum Length of Digital Sense Cable per Unit	Up to 120 lengths of FG-EC, connected to 3 circuits
Connector Type	FCI-Clipper
Weight	25g per metre without connector
Sense Cable Diameter	7,5 mm with jacket (without connector)
Four Sensor Wires Diameter	1,2 mm with jacket
Breaking Strengh for Sense Cable	Minimum 75 kg
FG-EC Colour	Light blue

Product Diagram

Embedded Microprocessor in Female Connector:



Female Connector with Addressable Electronic Module:



Identification Codes

FG-EC15	Addressable Water Sensing Cable in 15m In Low Smoke Zero Halogen Material
FG-EC7	Addressable Water Sensing Cable in 7m In Low Smoke Zero Halogen Material
FG-EC3	Addressable Water Sensing Cable in 3m In Low Smoke Zero Halogen Material
Accessories	
FG-NC(x)	'TTK Bus 8723' Neutral Cable Xm With Connectors
FG-TMC	Digital End Plug for FG-EC/AC Cables
FG-CLC	Leader Cable 3,5m, on 'TTK Bus 8723'
FG-DTC	Diversion Box for 'TTK Bus 8723'
FG-DTCS	Addressable Box for one Water or Acids Cable, on 'TTK Bus 8723' (Sector Mode)
CF-EC100	100 Hold-down Clips with adhesive for Water & Acids Cables
ES-EC	40 Tags for Water & Acids Cables

Certificates

FG-EC meets the Low Smoke Zero Halogen requiremnt, test performed by LCIE. Test report N° 92634-584827Cr2009/07/20.
FG-EC of as a part of FG-SYS system, meets the requirements of all European Standards in EN 50081 and EN 50082 EMC.
FG-SYS system meets the TÛV requirements, according to IEC 61010-1/A2.

This brochure has been carefully prepared to ensure technical accuracy but is only intended for promotional use. TTK cannot guarantee that the information contained herein contains no errors or omissions, and hence does not accept responsibility related to the use of its equipment. TTK maintain its obligations set forth in the Standard Terms and Conditions of Sale and will not, under any circumstances, assume liability for any incidental damages, indirect or consequential, arising from the sale, resale, use or misuse of this product. The purchaser(s) accept their responsibility as the sole judge(s) of the adaptability of the product for the intended use.

FG-NET, FG-SYS and TOPSurveillance are trademarks of TTK S.A.S. © TTK 2020

- **TTK Headquarters** / 19, rue du Général Foy / 75008 Paris / France / T : +33.1.56.76.90.10 / F : +33.1.55.90.62.15 / **www.ttk.fr** / **ventes@ttk.fr**
- **TTK UK Ltd.** / 3 Luke Street / London EC2A 4PX / United Kingdom / T : +44 207 729 6002 / F : +44 207 729 6003 / **www.ttkuk.com** / **sales@ttkuk.com**
- **TTK Pte Ltd.** / #09-05, Shenton House, 3 Shenton Way / Singapore 068805 / T: +65.6220.2068 / M: +65.9271.6191 / F: +65-6220.2026 / **www.ttk.sg** / **info@ttk.sg**
- **TTK Asia Ltd.** / 2107-2108 Kai Tak Commercial Building / 317 Des Voeux Road Central / Hongkong / T: +852.2858.7128 / F: +852.2858.8428 / **www.ttkasia.com** / **info@ttkasia.com**
- **TTK Middle East FZCO** / Building 6EA, Office 510 PO Box 54925 / Dubai Airport Free Zone / UAE / T: +971 4 70 17 553 / M: +971 50 259 66 29 / **www.ttkuk.com** / **cgalmiche@ttk.fr**
- **TTK Deutschland GmbH** / Berner Strasse 34 / 60437 Frankfurt / Deutschland / T : +49(0)69-95005630 / F : +49(0)69-95005640 / **www.ttk-gmbh.de** / **vertrieb@ttk-gmbh.de**
- **TTK North America Inc** / 1730 St Laurent Boulevard Suite 800 / Ottawa, ON, K1G 5L1 / Canada / T : +1 613 566 5968 / **www.ttkcanada.com** / **info@ttkcanada.com**
- **Thomas Sales & Marketing Inc. TTK Master Distributor For USA** / 7200 W 66th St / Bedford Park, IL 60638 / The United States / T: +1 630-518-4724 / **www.ttkusa.com** / **dmolk@ttkusa.com**

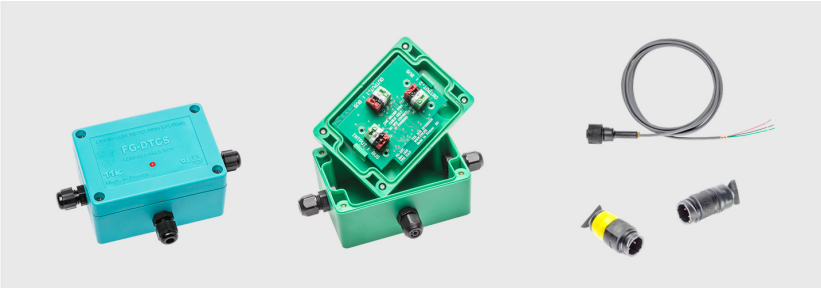
FG-EC_EN_v2.1_022020

LIQUID LEAK DETECTION SYSTEMS

Accessories

Connection Accessories & Kits

Product Datasheet



Description

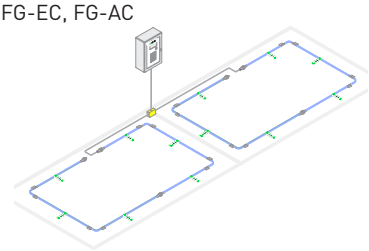
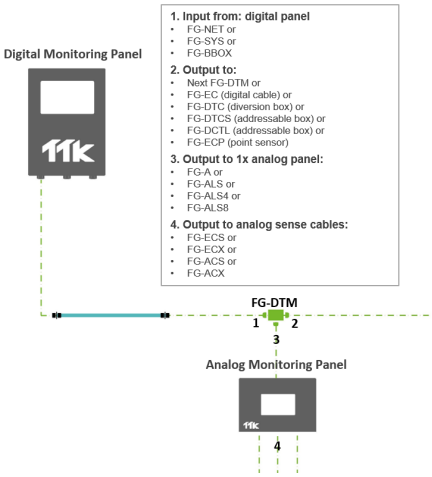
TTK leak detection systems offer a full range of connection accessories and kits as diversion boxes, leading cables, end terminations. These items assure a proper functioning of the systems.

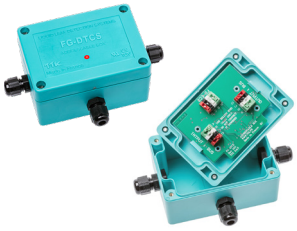
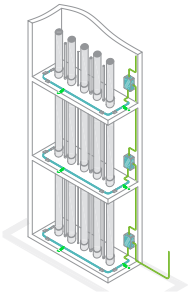
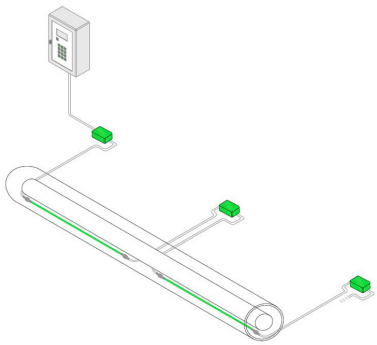
For FG-OD range connection accessories and kits refer to the FG-OD Accessories datasheet.

Boxes

The components used for the following boxes having features as below:

- ABS POLYAC 707 (a natural ABS)
- Rated UL94 HB
- Halogen Free
- IP67
- Dimension: 105 x 75 x 55mm

Item	Description	Compatibility & Connectivity
FG-DTC	The FG-DTC is TTK Bus Diversion Box. This diversion box allows breaking up a detection circuit into two parts. The LED on the front face of the box indicates the box's status in real time: • Blinking short blue followed by a long green: normal, no alarm. • Blinking short blue only: cablebreak detected on the box. • No LED light: loss of communication.	Digital unit: FG-NET, FG-SYS Sense cable: FG-EC, FG-AC 
FG-DTM	FG-DTM is a bus interface box allowing the integration of analog panels into a digital system. The LED on the front face of the box indicates the box's status in real time: • Blinking short blue followed by a long green: normal, no alarm. • Blinking short blue followed by a long red: leak alarm on the analog panel. • Blinking short blue only: no connection with analog panel. • No LED light: loss of communication with the digital panel.	

Item	Description	Compatibility & Connectivity
FG-DTCS 	The FG-DTCS addressable box allows the connection of one analog sense cable (3, 7 or 15m) to the main bus wire from the digital panel. FG-DTCS will create an address on the panel for that sense cable. The LED on the front face of the box indicates the box's status in real time: • Blinking green: normal, no alarm. • Blinking red: leak detected on the box. No LED light: cablebreak detected on the box or loss of communication.	Digital unit: FG-NET, FG-SYS Sense cable: FG-ECS, FG-ACS 
FG-DCTL / FG-DCTL-R 	The FG-DCTL addressable box allows the connection of one analog sense cable (1 to 45m, "cut to length") to the main bus wire from the digital panel. FG-DCTL will create an address on the panel for that sense cable. 2 references are available: FG-DCTL and FG-DCTL-R. The only difference: FG-DCTL-R is equipped with a relay (Maximum Switching Power : 30W, 125VA; Maximum Switching Voltage : 125Vac / 220Vdc; Maximum Switching/Carrying Current : 1A), activated in case of leak; not for FG-DCTL. The LED on the front face of the box indicates the box's status in real time: • Blinking green: normal, no alarm. • Blinking red: leak detected on the box. • No LED light: cablebreak detected on the box or loss of communication.	Digital unit: FG-NET, FG-SYS Sense cable: FG-ECS, FG-ACS (length from 1 to 45m)  Above schmatic shows a typical 'pipe-in-pipe' application with random sense cables and diversion boxes. Consult us for more information.

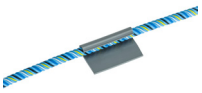
Leading Cables & Kit

Item	Description	Compatibility & Connectivity
FG-CLC 	Leader cable TTK BUS 8723 in 3.5m to connect alarm unit & first sense cable.	Alarm unit: all digital and analog units Sense cable: FG-EC, FG-AC, FG-ECX, FG-ACX
FG-NC3/7/15/30 	Pre-connected jumper cable in customerized length to be used between 2 sense cables.	Alarm unit: all digital and analog units Sense cable: FG-EC, FG-AC, FG-ECX, FG-ACX
FG-NC Kit 	Set of parts for connecting jumper cable. It includes male, female connectors + contacts + adhesive + heat shrinkable sleeve.	Alarm unit: all digital and analog units

End Termination

Item	Description	Compatibility & Connectivity
FG-TMC	End termination plug for digital sense cables. Each circuit of sense cable must be ended with an end termination plug. FG-TMC is used for the circuit continuity.	Digital unit: FG-NET, FG-SYS Sense cable: FG-EC, FG-AC
FG-TMX	End termination plug for analog sense cables. It has an easily identifiable yellow colour.	Alarm unit: all analog units Sense cable: FG-ECX, FG-ACX

Installation Accessories

Item	Description
CF-EC100 	Set of 100 hold-down clips with glue. It is recommanded to install the clips at intervals of no greater than 1.5 m and at every change of direction.
ES-EC	Set of 40 tags. Labels ES-EC indicates the presence of sense cables installed. It is recommended to fix the labels every five meters on the circuit of sense cables and ensure a good visibility of the labels.

Accessories_EN_v2.0_022020

This brochure has been carefully prepared to ensure technical accuracy but is only intended for promotional use. TTK cannot guarantee that the information contained herein contains no errors or omissions, and hence does not accept responsibility related to the use of its equipment. TTK maintain its obligations set forth in the Standard Terms and Conditions of Sale and will not, under any circumstances, assume liability for any incidental damages, indirect or consequential, arising from the sale, resale, use or misuse of this product. The purchaser(s) accept their responsibility as the sole judge(s) of the adaptability of the product for the intended use.
FG-NET, FG-SYS and TOPSurveillance are trademarks of TTK S.A.S. © TTK 2020

- **TTK Headquarters** / 19, rue du Général Foy / 75008 Paris / France / T : +33.1.56.76.90.10 / F : +33.1.55.90.62.15 / **www.ttk.fr** / **ventes@ttk.fr**
- **TTK UK Ltd.** / 3 Luke Street / London EC2A 4PX / United Kingdom / T : +44 207 729 6002 / F : +44 207 729 6003 / **www.ttkuk.com** / **sales@ttkuk.com**
- **TTK Pte Ltd.** / #09-05, Shenton House, 3 Shenton Way / Singapore 068805 / T: +65.6220.2068 / M: +65.9271.6191 / F: +65-6220.2026 / **www.ttk.sg** / **sales@ttk.sg**
- **TTK Asia Ltd.** / 2107-2108 Kai Tak Commercial Building / 317 Des Voeux Road Central / Hongkong / T: +852.2858.7128 / F: +852.2858.8428 / **www.ttkasia.com** / **info@ttkasia.com**
- **TTK Middle East FZCO** / Building 6EA, Office 510 PO Box 54925 / Dubai Airport Free Zone / UAE / T: +971 4 70 17 553 / M: +971 50 259 66 29 / **www.ttkuk.com** / **cgalmiche@ttk.fr**
- **TTK Deutschland GmbH** / Berner Strasse 34 / 60437 Frankfurt / Deutschland / T : +49(0)69-95005630 / F : +49(0)69-95005640 / **www.ttk-gmbh.de** / **vertrieb@ttk-gmbh.de**
- **TTK North America Inc** / 1730 St Laurent Boulevard Suite 800 / Ottawa, ON, K1G 5L1 / Canada / T : +1 613 566 5968 / **www.ttkcanada.com** / **info@ttkcanada.com**
- **Thomas Sales & Marketing Inc. TTK Master Distributor For USA** / 7200 W 66th St / Bedford Park, IL 60638 / The United States / T: +1 630-518-4724 / **www.ttkusa.com** / **dmolk@ttkusa.com**

LIQUID LEAK DETECTION SYSTEMS

FG-NET

Digital Unit for Leak Detection and Location

Product Datasheet

- Digital, Fully Addressable
- Monitoring Up to 500 Sense Cables
- Touch Screen Interface
- Instant Locating of Faults
- Integrated Monitoring Software
- TCP/IP & MODBUS/JBUS Connection

Description

The FG-NET digital unit is designed to be used with all TTK digital sense cables, for water, bases, acid and hydrocarbon leak detection.

In the event of a fault on the sense cables (leak or cable break):
Primary responses from the FG-NET:

- An audible alarm is triggered and a relay is activated.
- The touch screen of the panel displays the location of the leak and details of the fault (the type of fault leak or cable break), including the time and date the fault is registered.
- Optional – integrated maps of the leak detection installation highlighting the location of the fault, available on the touch screen display of FG-NET.

Secondary advanced responses :

- Report to the BMS via a JBUS/MODBUS protocol. The FG-NET can drive dynamic drawings on the host BMS.
- Send email alerts and SNMP traps to a LAN-connected BMS, via a standard Ethernet connection.

Features & Benefits

FEATURES

- 7" (175mm) touch-screen gives a clear and detailed indication of the system status.
- User-friendly system - Users can customise the system with the sub menus accessible from the home screen, to set up the panel.
- Up to 120 lengths of sense cables (or 1800 metres) can be managed independently.
- The system's reaction time to faults is adjustable cable by cable.
- Temporal isolation (72 hours maximum) a or several sense cables.
- Up to 5000 events stored in the history log.
- Non-volatile memory (SD), for storing user settings and drawings.
- Three types of interface for communication with a BMS available.
  - TCP/IP connection via an Ethernet port.
  - JBUS/MODBUS RS232 or RS422/485 serial links.
  - 9 relay contacts: 8 configurable relays + 1 specific relay for power interruption.
    - Dual relay drive (e.g. 1 for BMS and 1 for solenoid valve);
    - Relay positions are defined by a LED indicator.
- Different security levels to provide maximum security.

BENEFITS

- Precise location of a leak: to the nearest metre for water and acid leak detection and to the section for oil leak detection.
- Each sense cable is addressable and can be assigned a specific name.
- Multiple simultaneous leaks can be detected (120 cables = 120 alarms).
- Different types of sense cables (for detecting conductive & non-conductive liquids) can be connected on the same panel for a truly bespoke system.
- Cable break faults can be detected (to the nearest cable).
- When a cable break occurs, the system maintains its integrity by continuing to monitor all preceding cables for faults.
- Compatible with existing monitoring systems (Trend BMS etc.)
- Extension and upgrade of the system is easy. No additional power source or zoning panels are required.

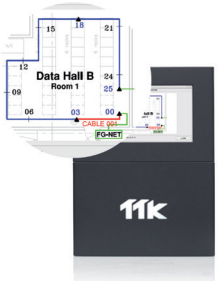
Touch Screen Menus

Four menus available for configuration of the FG-NET :

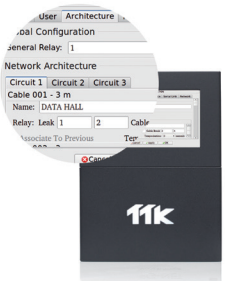
Setup	Main page for setting up the system architecture, cable isolation and reaction time rules, acknowledge mode, user access, relay status, time zone, language, sound alarm, serial links and network functionalities. An administrator level password is required to access this menu.
Event log	For viewing the recorded alarm history. A maximum of 5000 events can be stored in the event log.
Cables	To give the user a general overview of the site installation. The interactive floor plan can be viewed under this menu as an optional feature.
Help	Provides troubleshooting procedures, contact details of the manufacturer and the reference number of the unit.

Screen Shots

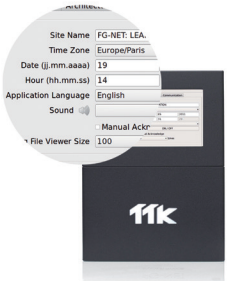
Simultaneous alarms displayed on one screen



Dynamic map shows leak in real time



Easy setup of relays for each cable



User-friendly interface of configuration

Technical Data

Compatibility	Sense cables (digital): FG-EC, FG-AC, FG-OD range of cables Sense cables (analog through FG-DTCS box): FG-ECS, FG-ACS Satellite devices: FG-BBOX, FG-RELAYS Diversion boxes: FG-DTC, FG-DTCS, FG-DCTL, FG-DOD Accessories: TTK 8723, 8771 jumper cable, FG-CLC, FG-TMC
Dimensions & Weights	Wall mounted W: 228 mm H: 303 mm D: 67 mm Weight: 2.3kg Rack mounted W: 483 mm H: 177 mm D: 74 mm Weight: 3kg
Maximum Length of Sense Cable	500 sense cables (500 x 15m=7500m) when use with FG-BBOX
Accuracy	water & acid leak detection: +/- 1 meter ; oil leak detection: section
Operating Languages	English, French, German
Voltage Input	100 to 240 VAC, 50-60 Hz
Power Consumption	36VA Max
Working Temperature Range	5°C to 55°C
Working Humidity Range	5% to 80% non-condensing
Relay Types	Volt free dry contact (NO, NC, COM)
Realy Numbers	9 (8 + 1 power failure relay)
Serial Connection	MODBUS/JBUS RS232 or RS422/485
Maximum Relay Switching Voltage	125 V AC and 220 V DC
Maximum Relay Switching Capacity	60 W (30 V x 2A)
Ingress Protection	IP40 - Indoor use only

Identification Codes

FG-NET (F / E)	Digital Touchscreen Leak Detection Panel (Wall Mounted / Rack Mounted)
FG-BBOX F	FG-NET's Satellite Device - 2 Circuits Black Box (Wall Mounted)
FG-RELAYS F	FG-NET's Satellite Device - 24 x External Relays (Wall Mounted)
FG-EC, FG-AC, FG-OD	Addressable Water, Acid, Hydrocarbon Sensing Cable With Connectors
Accessory Boxes:	
FG-DTC	Diversion Box for 'TTK Bus 8723'
FG-DTCS	Addressable Box for one Water or Acids Cable, on 'TTK Bus 8723' (Sector Mode)
FG-DCTL	'Cut-To-Length' Addressable Box for one Water or Acids Cable, on 'TTK Bus 8723' (Sector Mode)
FG-DOD	Bus Interface, for Integration of FG-OD Cables

Certificates

FG-NET digital unit meets the TÜV requirements.
FG-OD sense cables which are certified by ATEX can be connected to the FG-NET digital unit.

All the connections in the FG-NET digital unit must be done with the power supply switched off.
Read carefully the installation procedure for the FG-NET digital unit.

This brochure has been carefully prepared to ensure technical accuracy but is only intended for promotional use. TTK cannot guarantee that the information contained herein contains no errors or omissions, and hence does not accept responsibility related to the use of its equipment. TTK maintain its obligations set forth in the Standard Terms and Conditions of Sale and will not, under any circumstances, assume liability for any incidental damages, indirect or consequential, arising from the sale, resale, use or misuse of this product. The purchaser(s) accept their responsibility as the sole judge(s) of the adaptability of the product for the intended use.
FG-NET, FG-SYS and TOPSurveillance are trademarks of TTK S.A.S. © TTK 2020

- **TTK Headquarters** / 19, rue du Général Foy / 75008 Paris / France / T : +33.1.56.76.90.10 / F : +33.1.55.90.62.15 / **www.ttk.fr** / **ventes@ttk.fr**
- **TTK UK Ltd.** / 3 Luke Street / London EC2A 4PX / United Kingdom / T : +44 207 729 6002 / F : +44 207 729 6003 / **www.ttkuk.com** / **sales@ttkuk.com**
- **TTK Pte Ltd.** / #09-05, Shenton House, 3 Shenton Way / Singapore 068805 / T: +65.6220.2068 / M: +65.9271.6191 / F: +65-6220.2026 / **www.ttk.sg** / **sales@ttk.sg**
- **TTK Asia Ltd.** / 2107-2108 Kai Tak Commercial Building / 317 Des Voeux Road Central / Hongkong / T: +852.2858.7128 / F: +852.2858.8428 / **www.ttkasia.com** / **info@ttkasia.com**
- **TTK Middle East FZCO** / Building 6EA, Office 510 PO Box 54925 / Dubai Airport Free Zone / UAE / T: +971 4 70 17 553 / M: +971 50 259 66 29 / **www.ttkuk.com** / **cgalmiche@ttk.fr**
- **TTK Deutschland GmbH** / Berner Strasse 34 / 60437 Frankfurt / Deutschland / T : +49(0)69-95005630 / F : +49(0)69-95005640 / **www.ttk-gmbh.de** / **vertrieb@ttk-gmbh.de**
- **TTK North America Inc** / 1730 St Laurent Boulevard Suite 800 / Ottawa, ON, K1G 5L1 / Canada / T : +1 613 566 5968 / **www.ttkcanada.com** / **info@ttkcanada.com**
- **Thomas Sales & Marketing Inc. TTK Master Distributor For USA** / 7200 W 66th St / Bedford Park, IL 60638 / The United States / T: +1 630-518-4724 / **www.ttkusa.com** / **dmolk@ttkusa.com**

FG-NET_EN_v2.7_022020

LIQUID LEAK DETECTION SYSTEMS

TTK BUS 8723

Neutral Cable For Water And Acid Detection System Connection

Product Datasheet

- Designed For Water & Acid Ranges Systems
- RoHS Compliant

Description

The TTK Bus 8723 neutral cable is designed to be used with the TTK water and acid ranges of leak detection systems.
It is RoHS (2002/95/EC) compliant.

Technical Data

Cable Type	8723 Equivalent LSF
General Description	Paired-Audio, Control & Instrumentation Cables
Cable Construction	
Inner Conductor	Tinned Copper T 0.25 x 7
Insulation Thickness	0.20mm
Insulation PP	1.20mm
Insulation Color	Black / Red, White / Green
Shield (on each pair)	Al - Pet Shield
Coverage	>=125%
Construction	Each pair is twisted Individual Al-Pet Screen
Total Drain Wire	Tinned Copper: T 0.20 x 7
Jacket Thickness	0.50mm
Jacket Color	Grey
Jacket LSF	4.30mm+/-1
Electrical Characteristics	
Max. Conductor DC Resistance At 20°C (Ω/km)	<54.2
Min.Insulation DC Resistance At 20°C (Ω/km)	200
Rated Temperature (°C)	80
Rated Voltage (V)	300
Nominal Velocity Ratio (%)	66%
Nominal Capacitance(PF/M;+/-10%)	45

This brochure has been carefully prepared to ensure technical accuracy but is only intended for promotional use. TTK cannot guarantee that the information contained herein contains no errors or omissions, and hence does not accept responsibility related to the use of its equipment. TTK maintain its obligations set forth in the Standard Terms and Conditions of Sale and will not, under any circumstances, assume liability for any incidental damages, indirect or consequential, arising from the sale, resale, use or misuse of this product. The purchaser(s) accept their responsibility as the sole judge(s) of the adaptability of the product for the intended use.
FG-NET, FG-SYS and TOPSurveillance are trademarks of TTK S.A.S. © TTK 2020

TTK BUS_EN_v.1.0_082020

TTK Headquarters / 19, rue du Général Foy / 75008 Paris / France / T : +33.1.56.76.90.10 / F : +33.1.55.90.62.15 / **www.ttk.fr** / **ventes@ttk.fr**
TTK UK Ltd. / 3 Luke Street / London EC2A 4PX / United Kingdom / T : +44 207 729 6002 / F : +44 207 729 6003 / **www.ttkuk.com** / **sales@ttkuk.com**
TTK Pte Ltd. / #09-05, Shenton House, 3 Shenton Way / Singapore 068805 / T: +65.6220.2068 / M: +65.9271.6191 / F: +65-6220.2026 / **www.ttk.sg** / **sales@ttk.sg**
TTK Asia Ltd. / 2107-2108 Kai Tak Commercial Building / 317 Des Voeux Road Central / Hongkong / T: +852.2858.7128 / F: +852.2858.8428 / **www.ttkasia.com** / **info@ttkasia.com**
TTK Middle East FZCO / Building 6EA, Office 510 PO Box 54925 / Dubai Airport Free Zone / UAE / T: +971 4 70 17 553 / M: +971 50 259 66 29 / **www.ttkuk.com** / **cgalmiche@ttk.fr**
TTK Deutschland GmbH / Berner Strasse 34 / 60437 Frankfurt / Deutschland / T : +49(0)69-95005630 / F : +49(0)69-95005640 / **www.ttk-gmbh.de** / **vertrieb@ttk-gmbh.de**
TTK North America Inc / 1730 St Laurent Boulevard Suite 800 / Ottawa, ON, K1G 5L1 / Canada / T : +1 613 566 5968 / **www.ttkcanada.com** / **info@ttkcanada.com**
Thomas Sales & Marketing Inc. TTK Master Distributor For USA /7200 W 66th St / Bedford Park, IL 60638 / The United States / T: +1 630-518-4724 / **www.ttkusa.com** / **dmolk@ttkusa.com**